



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5370-1**Job Sheet 188598****Part No:** D5370-1**Job Qty:** 40 pcs**Part Name:** Fitting**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 1/11/19**Job Tracking No:****Due Date:** 1/17/19**Created By:** Chantal Lavoie**Type:** Stock**Description:**

Note: D5370 REV.C IPP REV:A NEW ISSUE 16-02-01 VERIFIED BY:DD IPP REV:B 17.09.15 AS PER DWG B DD
VERF:DP IPP REV:C 18.04.04 AS PER DWG REV.C DD VERF:JFS

Ship Via:**Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	40 pcs	1/17/19	1/17/19	0.00	0.00	Purchasing - 1	JAN 16 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	40 pcs	1/17/19	1/17/19	0.00	0.00	Packaging 2 - 1 - B4B	JAN 16 2019
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S145207**Part:** D5370-1**Job No:** 188598**Serial No/Batch:** S145207**Revision:** C**Inspector:****Exp Date:****Instructions:** Various STC's**Date:** 01/16/19

					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	DAS
120	QC 6	40 pcs	1/17/19	0.00 0.00	QC 6 - 38	38
					QC 6 - 42	8-68
					QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
130	HAAS 5 Axis - B4B	40 pcs	1/17/19	0.00 8.85	HAAS - 5 - B4B	19-02-25
140	QC 2	40 pcs	1/17/19	0.00 0.00	QC 2 - 1	
					QC 2 - 12	
					QC 2 - 14	
					QC 2 - 17	
					QC 2 - 19	
					QC 2 - 2	
					QC 2 - 20	19-02-25
					QC 2 - 22	
					QC 2 - 23	
					QC 2 - 25	
					QC 2 - 32	
					QC 2 - 33	
					QC 2 - 35	
					QC 2 - 38	
					QC 2 - 39	
					QC 2 - 4	
					QC 2 - 40	
					QC 2 - 44	
					QC 2 - 45	
					QC 2 - 48	
					QC 2 - 49	
					QC 2 - 50	
					QC 2 - 51	
					QC 2 - 52	
					QC 2 - 54	
					QC 2 - 56	
					QC 2 - 57	
					QC 2 - 62	
					QC 2 - 63	
					QC 2 - 8	
150	QC 8	40 pcs	1/17/19	0.00 0.00	QC 8 - 12	
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 38	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					Plex 1/11/19 11:04 AM dart.lavoie.chanta	

					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	5.0 19-02-26
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
160	Packaging 3-1 - Stock - B4B	40 pcs	1/17/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	5+159 FEB 28 2019
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
170	QC 21 - SA	40 pcs	1/17/19	0.00 0.00	QC 21 - SA - 21	DAC 21 MAR 01 2019
					QC 21 - SA - 70	9-01

Part Op **100** - ISSUE P/O: _____ VENDOR: MCMASTE CARR VENDOR PN: 50715K832 C OF C IS REQUIRED
 Descriptions: **110** - (Receive & Inspect for Damage & Mat'l Certs)
120 - (QC6- All purchased or subcontracted products)
130 - (HAAS CNC vertical machine #5), DRILL LOCKWIRE HOLES AS PER DWG SECTION A-A
140 - (QC2- Inspect parts off machine FAI/FAIB)
150 - (QC8- Inspect parts - second check)
160 - (Identify as per dwg & Stock Location: _____)
170 - (QC21- Final Inspection - Work Order Release)

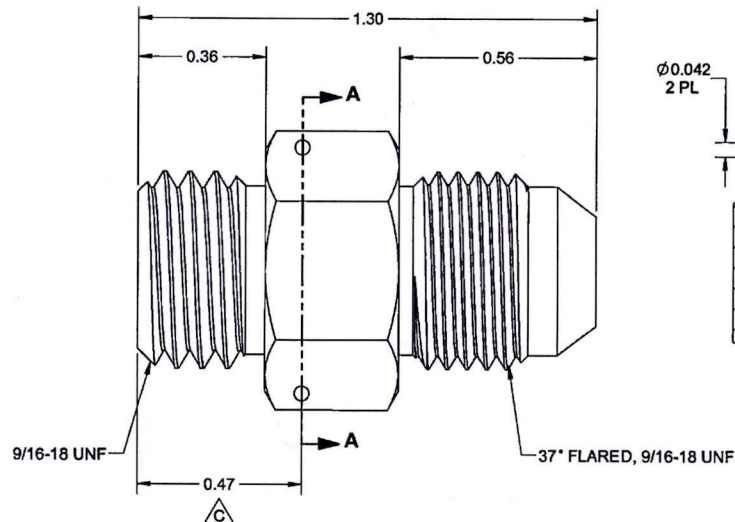
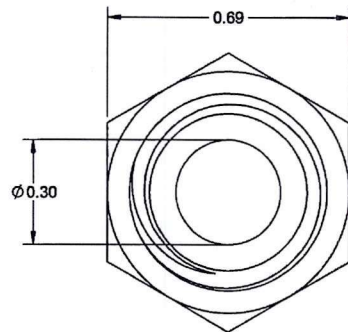
Job BOM

Part / Item	Component Name	Quantity	Operation	Container
50715K832	37° Flared Tube Fitting, SS D5370-1	40 Ea (1 ea)	100-Purchasing	

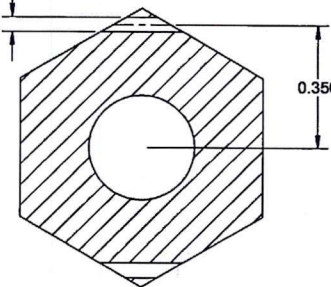
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	50715K832	40	0	0
Part Specifications				
Specifications could not be found.				

Plex 1/11/19 11:04 AM dart.lavoie.chantal

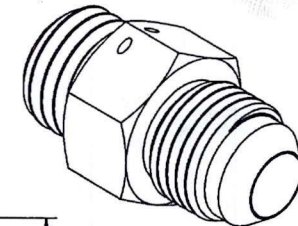
SPECIFICATION CONTROL DRAWING



Ø0.042
2 PL



SECTION A-A
SCALE 3:1



DART PN	DESCRIPTION	TUBE O.D.	VENDOR	VENDOR PN	MATERIAL	WEIGHT	ALTERNATIVE P/N
D5370-1	37 DEGREE FLARED TUBE FITTING	3/8	MCMaster-CARR	50715K832	316 S.S.	0.07 LBS	MS21900K6

D5370-1 ADAPTER

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 6.7
- 7) WEIGHT: SEE TABLE
- 8) ADD LOCKWIRE HOLES PER SECTION A-A

RELEASED

2018 APR 02
EN 18-655

C	REVISED VENDOR PN, WAS 50715K677. REVISED LOCKWIRE HOLE LOCATION, WAS 0.55	WK	18.03.08
B	REVISED FITTING SIZE	WK	17.09.07
A	NEW ISSUE	CC	16.01.07
REV.	DESCRIPTION	BY	DATE
DESIGN	CC	DART AEROSPACE USA INC EUGENE, OREGON, USA	
DRAWN	WK		
CHECKED	RF	DRAWING NO.	REV. C
MFG. APPR.	JFS	D5370	SHEET 1 OF 1
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	ADAPTER	NTS
DATE	18.03.08	COPYRIGHT © 2016 BY DART AEROSPACE USA INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA INC	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042243**



Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO042243

PO Date: 1/11/19

Due Date: 1/16/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
JAN 14 2019

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		30125T403	1/pk	Turn Buckle Body	Firmed	-	1/16/19	8 pcs	0 pcs	8 pcs	\$1.95/pcs	\$15.60
						8 X	JAN 16 2019					
2	188607	50715K676		Flared Tube Fitting SS D5530-1 receive ea	Firmed	-	1/16/19	15 pcs	0 pcs	15 pcs	\$8.27/pcs	\$124.05
						15 X	JAN 16 2019					
3	188598	50715K832	50715K832	37" Flared Tube Fitting, SS D5370-1	Firmed	-	1/16/19	40 Ea	0 Ea	40 Ea	\$10.05/Ea	\$402.00
						40 X	JAN 16 2019					
4		51495K116	1/pk	COUPLING 1/2" NCKL PLTD BRASS	Firmed	-	1/16/19	12 Ea	0 Ea	12 Ea	\$7.78/Ea	\$93.36
						12 X	JAN 16 2019					
5	188606	6541K38		Ear Clamp D5529-1 receive pcs	Firmed	-	1/16/19	50 Ea	0 Ea	50 Ea	\$0.38/Ea	\$19.00
						50 X	JAN 16 2019					
6		91030A031	1/pk	Flange Hex Nut	Firmed	-	1/16/19	40 Ea	0 Ea	40 Ea	\$2.28/Ea	\$91.20
						40 X	JAN 16 2019					
7	188605	6519T14		Tubing D5528-1 : AS PER DWG D5528 REV. A PCS OF 10 FT LONG REQUIRED	Firmed	-	1/16/19	50 Ea	0 Ea	50 Ea	\$4.82/Ea	\$241.00
						50 X	JAN 16 2019					
8		9464K17	100/pk	O-Ring, Ø1/16 X 0.364 I.D.	Firmed	-	1/16/19	100 Ea	0 Ea	100 Ea	\$0.0723/Ea	\$7.23
						100 X	JAN 16 2019					

DAS
38
9-89



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042243



Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
9		94975A162	1/pk	Quick Release Pin Quick Release Pin W/Lanyard	Firmed	-	1/16/19	12 Ea	0 Ea	12 Ea	\$4.49/Ea	\$53.88
								5X JAN 16 2019	86X			
								1X JAN 16 2019				
10		97524A032	100/pk	Sealing Blind Rivet	Firmed	-	1/16/19	300 Ea	0 Ea	300 Ea	\$0.0982/Ea	\$29.46
								300X JAN 16 2019				
11	188609	59915K274		Rod End Bearing D4777-1 AS PER DWG D4777 REV. A	Firmed	-	1/16/19	10 pcs	0 pcs	10 pcs	\$19.05/pcs	\$190.50
								10X JAN 16 2019				
12	188610	6718K52		Fitting, Quick Disconnect D4182-1 AS PER DWG D4182 REV. B	Firmed	-	1/16/19	10 pcs	0 pcs	10 pcs	\$5.64/pcs	\$56.40
								10X JAN 16 2019				

Grand Total: \$1,323.68

Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/11/19 1:27 PM dart.lavoie.chantal



McMASTER-CARR®

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO042243

Order Placed By
Chantal Lavoie

McMaster-Carr Number
6409460-02

Page 1 of 1

01/14/2019

Packing List

Line	Product	Ordered	Shipped
1	30125T403 Closed-Body Turnbuckle--Not for Lifting, Hook-to-Hook, 90 lbs. Capacity, 5-1/2" Retracted Length	8 Each	8 ✓
2	50715K831 37 Degree Flared Fitting for Stainless Steel Tubing, Straight Adapter for 1/4" Tube OD, 7/16"-20 UNF Male, Deg F This Replaces 50715K676 Temp Range Is -15 To 400	15 Each	15 ✓
3	50715K832 37 Degree Flared Fitting for Stainless Steel Tubing, Straight Adapter for 3/8" Tube OD, 9/16"-18 UNF Male	40 Each	20 ✓
4	51495K116 Nickel-Plated Brass Push-to-Connect Tube Fitting for Air, Straight Connector, for 1/2" Tube OD	12 Each	12 ✓
5	6541K38 Vibration-Resistant Zinc-Plated Steel Double Pinch Clamps, 31/64" to 19/32" ID, for Firm Hose and Tube, Packs of 25	2 Packs	2 ✓
6	91030A031 Low-Strength Steel Flange Nut, Black-Oxide, 3/8"-16 Thread Size	40 Each	40 ✓
7	6519T14 Ultra-Chemical-Resistant Versilon PVC Tubing, 3/8" ID, 9/16" OD, 10 Feet Long	50 Feet	50 ✓
8	9464K17 Chemical-Resistant Viton Fluoroelastomer O-Ring, 1/16 Fractional Width, Dash Number 012, Packs of 100	1 Pack	1 ✓
9	94975A162 18-8 Stainless Steel Ring-Grip Quick-Release Pin with Lanyard, 1/4" Diameter, 1-5/16" Usable Length	12 Each	5 ✓
10	97524A032 Sealing Blind Rivets, Aluminum, Domed Head, with Aluminum Mandrel, 1/8" Diameter, 0.425" Long, Packs of 100	3 Packs	3 <u>297</u>
11	59915K274 Corrosion-Resistant Ball Joint Rod End, 3/8"-24 Thread, Right Hand	10 Each	10 ✓
12	6718K52 303 Stainless Steel Industrial-Shape Air Hose Coupling, Plug, 1/4 Coupling Size, 1/4 NPTF Female End	10 Each	10 ✓

Shipped separately from our New Jersey warehouse on 01/14

3	50715K832 37 Degree Flared Fitting for Stainless Steel Tubing, Straight Adapter for 3/8" Tube OD, 9/16"-18 UNF Male	40 Each	20
9	94975A162 18-8 Stainless Steel Ring-Grip Quick-Release Pin with Lanyard, 1/4" Diameter, 1-5/16" Usable Length	12 Each	6

Expected to ship

9	94975A162 18-8 Stainless Steel Ring-Grip Quick-Release Pin with Lanyard, 1/4" Diameter, 1-5/16" Usable Length	12 Each	1 Jan 22-24
---	--	---------	-------------



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO042243

Order Placed By
Chantal Lavoie

McMaster-Carr Number
6409460-01

Page 1 of 2

01/14/2019

Line	Product	Ordered	Shipped
3	50715K832 37 Degree Flared Fitting for Stainless Steel Tubing, Straight Adapter for 3/8" Tube OD, 9/16"-18 UNF Male	40 Each	20
9	94975A162 18-8 Stainless Steel Ring-Grip Quick-Release Pin with Lanyard, 1/4" Diameter, 1-5/16" Usable Length	12 Each	6

Shipped separately from our Cleveland warehouse on 01/14

1	30125T403 Closed-Body Turnbuckle--Not for Lifting, Hook-to-Hook, 90 lbs. Capacity, 5-1/2" Retracted Length	8 Each	8
2	50715K831 37 Degree Flared Fitting for Stainless Steel Tubing, Straight Adapter for 1/4" Tube OD, 7/16"-20 UNF Male	15 Each	15
3	50715K832 37 Degree Flared Fitting for Stainless Steel Tubing, Straight Adapter for 3/8" Tube OD, 9/16"-18 UNF Male	40 Each	20
4	51495K116 Nickel-Plated Brass Push-to-Connect Tube Fitting for Air, Straight Connector, for 1/2" Tube OD	12 Each	12
5	6541K38 Vibration-Resistant Zinc-Plated Steel Double Pinch Clamps, 31/64" to 19/32" ID, for Firm Hose and Tube	2 Packs	2
6	91030A031 Low-Strength Steel Flange Nut, Black-Oxide, 3/8"-16 Thread Size	40 Each	40
7	6519T14 Ultra-Chemical-Resistant Versilon PVC Tubing, 3/8" ID, 9/16" OD, 10 Feet Long	50 Feet	50
8	9464K17 Chemical-Resistant Viton Fluoroelastomer O-Ring, 1/16 Fractional Width, Dash Number 012	1 Pack	1
9	94975A162 18-8 Stainless Steel Ring-Grip Quick-Release Pin with Lanyard, 1/4" Diameter, 1-5/16" Usable Length	12 Each	5
10	97524A032 Sealing Blind Rivets, Aluminum, Domed Head, with Aluminum Mandrel, 1/8" Diameter, 0.425" Long	3 Packs	3
11	59915K274 Corrosion-Resistant Ball Joint Rod End, 3/8"-24 Thread, Right Hand	10 Each	10

DAS
38
9-89

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO042243

Order Placed By
Chantal Lavoie

McMaster-Carr Number
6409460-01

Page 2 of 2

01/14/2019

Line	Description	Ordered	Shipped
12 6718K52	303 Stainless Steel Industrial-Shape Air Hose Coupling, Plug, 1/4 Coupling Size, 1/4 NPTF Female End	10 Each	10

Expected to ship

9 94975A162	18-8 Stainless Steel Ring-Grip Quick-Release Pin with Lanyard, 1/4" Diameter, 1-5/16" Usable Length	12 Each	1 Jan 22-24
-------------	---	------------	-------------